

**WR-90 Waveguide H-Bend Commercial Grade  
 Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz  
 Frequency Range**

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.08:1	
Insertion Loss		0.15		dB

\* Values at 25°C, sea level

**Mechanical Specifications**

Waveguide Size WR-90  
 Waveguide Design Commercial Grade

**Flange 1**

Interface CPR-90G  
 Material Copper Alloy  
 Plating Paint

**Waveguide**

Interface WR-90  
 Material Copper Alloy  
 Plating Paint

**Flange 2**

Interface CPR-90G  
 Material Copper Alloy  
 Plating Paint

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

Notes:  
 • Values at 25 °C, sea level



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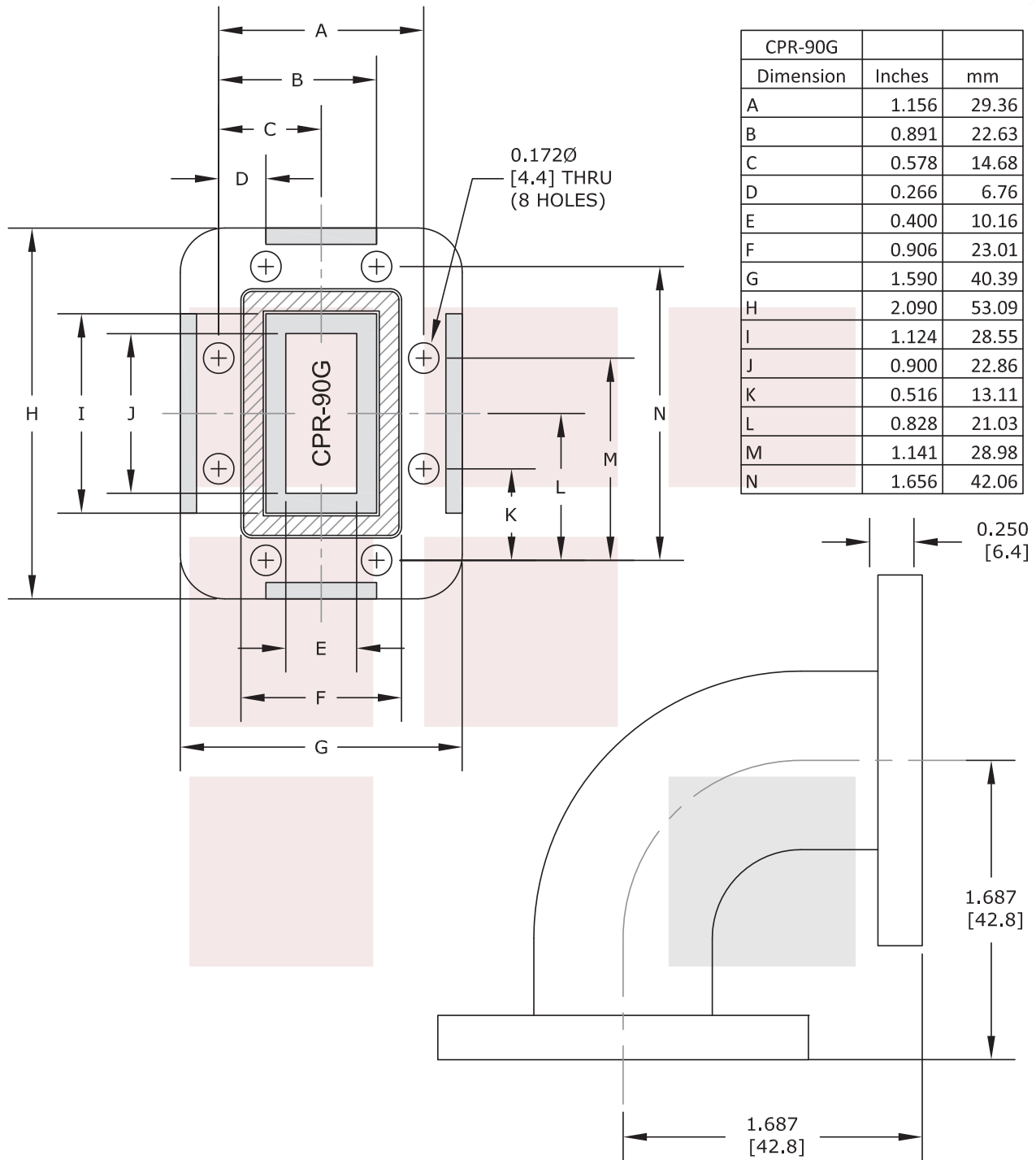
WR-90 Waveguide H-Bend Commercial Grade Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-90 Waveguide H-Bend Commercial Grade Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range SMF90HBA](#)

URL: <http://www.fairviewmicrowave.com/wr-90-waveguide-h-bend-cpr-90g-flange-8.2-12.4-ghz-smf90hba-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE WR-90 Waveguide H-Bend Commercial Grade Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range		DWG NO <b>SMF90HBA</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	062714	SHEET	SCALE	N/A	SIZE A 150